# Math II Unit 1 – Review for the End-of-Unit Benchmark

Can you solve quadratic equations? **(MM2A4a,b)** Can you identify the vertex and y-intercept of quadratic functions? **(MM2A3c)** Can you find the *discriminant*? **(MM2A4c)**

Practice with these problems:

Can you graph quadratic functions as transformations of ? **(MM2A3b)** Can you convert between *standard* and *vertex* forms? **(MM2A3a)** Can you identify *intervals of increase or decrease*? **(MM2A3c)**

Practice with these problems:

Can you write square roots of negative numbers in imaginary form and complex numbers in standard form? **(MM2N1a,b)** Can you add, subtract, multiply, and divide complex numbers? **(MM2N1c)** Can you simplify the results (substitute i2=-1 where necessary)? **(MM2N1d)**

Practice with these problems:

1. (

Can you calculate the *n*th term in a sequence? **(MM2A3d)** Can you compute the sum of a sequence? **(MM2A3d)** Can you express an arithmetic series as a quadratic equation? **(MM2A3e)**

Here are some practice problems:

1. What is the 185th term in this sequence? 2, 5, 8, 11, …
2. What

These graphs offer solutions for questions 5-10

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